

From boatanchors@theporch.com Sun May 28 02:57:42 1995
Date: Sat, 27 May 1995 21:57:42 -0500
Message-Id: <Chameleon.4.01.2.950527001526.jproc@>
From: jproc@worldlinx.com
Subject: RE:

>

>Greetings, all. I would appreciate any opinions on whether or not the
>paper rolls for tty paper punches is considered rare these days. I had
>a model 19 several years ago, and I still have several rolls of it in deep
>storage in my garage.

Dear WA9SLU,

As the maintainer of an active Model 14 reperforator, I can only suggest that you hang on to the tape. Make sure it's not exposed to air. Personally, I haven't looked for it but I rather doubt any company is making tape these days. Museums would be the major consumers of this asset. I've currently got 3 reels of blank tape aboard the ship and at least 48 rolls of Teletype paper. Hopefully, this supply of consumables will last into the next century.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Sat May 27 06:35:55 1995
Date: Sat, 27 May 1995 01:35:55 -0500
Message-Id: <199505270631.XAA20950@netcom8.netcom.com>
From: rmccarty@netcom.com (roger mccarty)
Subject: 6hf5 specs?

Can someone please help me with the specs on the 6HF5? I am particularly interested in the typical p-p grid voltage for max drive and input impedance on the grid.

Thanks in advance

Roger KD6CC

From boatanchors@theporch.com Sat May 27 18:32:32 1995
Date: Sat, 27 May 1995 13:32:32 -0500
Message-Id: <9505271015.0EF1I00@24stex.com>
From: michael.moore@24stex.com
Subject: BC-348 OR EQUIVALENT

DD>Tom, "The Signal Corps" catalog lists BC-348s at \$190 to \$240 along
DD>with accessories such as the DM-28 dynamotor (28V) and FT-154 shock
DD>mount.

DD>The Signal Corps
DD>3583 Everett Rd.
DD>Richfield, OH 44286
DD>216-659-3244

DD>Dick Dillman <ddillman@igc.apc.org>

It is a bit hard to do all this typing and drooling at the same time.
The forth item on page ten is what is causing the drooling:

BC-312N by Farnsworth serial number ONE. Exc. cond.....\$250.00.

Bet this one sold fast!

Mike...K6SQJ

From boatanchors@theporch.com Sat May 27 19:44:57 1995
Date: Sat, 27 May 1995 14:44:57 -0500
Message-Id: <58165.ddillman@igc.apc.org>
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: BC-348 OR EQUIVALENT

On Sat, 27 May 95 10:09:36 -0800,
michael.moore@24stex.com <michael.moore@24stex.com> wrote:

>DD>Tom, "The Signal Corps" catalog lists BC-348s at \$190 to \$240 along
>DD>with accessories such as the DM-28 dynamotor (28V) and FT-154 shock
>DD>mount.

>

>DD>The Signal Corps
>DD>3583 Everett Rd.
>DD>Richfield, OH 44286
>DD>216-659-3244
>
>DD>Dick Dillman <ddillman@igc.apc.org>
>
> It is a bit hard to do all this typing and drooling at the same time.
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>
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>
> Bet this one sold fast!
>
> Mike...K6SQJ

Actually, the BC-312N No. 1 is still there. Apparently the guy it was on hold for didn't come up with the money. Sam advises that this unit is without the dynamotor power supply and have some internal wiring modifications but is excellent externally. With Farnsworth TM and LS-3 speaker the price is \$350.

Dick Dillman
"If I Can Lift It I'm Not Interested"
<ddillman@igc.apc.org>

From boatanchors@theporch.com Sat May 27 19:47:42 1995
Date: Sat, 27 May 1995 14:47:42 -0500
Message-Id: <58183.ddillman@igc.apc.org>
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: BC-348 or Equivalent Wanted

On Fri, 26 May 1995 19:25:47 -0700,
Jack Taylor <n7oo@hereford.ampr.org> wrote:

>At 04:31 PM 5/26/95 -0500, Dick Dillman wrote:
>
>>
>>Tom, "The Signal Corps" catalog lists BC-348s at \$190 to \$240 along
>>with accessories such as the DM-28 dynamotor (28V) and FT-154 shock
>>mount.
>>
>>The Signal Corps
>>3583 Everett Rd.
>>Richfield, OH 44286
>>216-659-3244

>>
>>73,
>>
>>Dick Dillman <ddillman@igc.apc.org>
>>
>Dick, TELL us about the Signal Corps catalog! Do they have a lot of
>listings? What type of stuff do they carry? How many pages is it? Is it free?
>
>73 de Jack

Greetings, Jack. The Signal Corps catalog is about the size of ER magazine with a cover that looks like a military TM. Many tasty military things are shown within, mainly WWII military radios but also bomb sights and some uniforms. The cost for the catalog is \$2.

Dick Dillman
"If I Can Lift It I'm Not Interested"
<ddillman@igc.apc.org>

From boatanchors@theporch.com Sat May 27 13:28:03 1995
Date: Sat, 27 May 1995 08:28:03 -0500
Message-Id: <Pine.3.89.9505270936.C23115-0100000@hamp>
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: Re: Crystal drift due to RF

On Fri, 26 May 1995, Colin Schmutter wrote:

> I have noticed that crystals in oscillator circuits used in older tube
> transceivers in a lot of cases have drifted from their resonant frequency.
> However in old tube receivers, crystals seem to keep their frequency.
> Is it possible that high levels of RF will de-tune a crystal over time?

Well, yes, on first principles I would say so. Crystals age, and change frequency in the process. I don't know exactly what "aging" means, chemically or physically, but it could include oxidation of surfaces exposed by the grinding process, relaxation of stresses inside the crystal structure and in the metal electrodes, and perhaps even contamination as the original air-tight seal degrades.

Also, in most crystal oscillator circuits there are components other than the crystal that affect the oscillation frequency, often there are trimmer capacitors that are specifically designed to shift the oscillation frequency in the alignment process. Other components also age and change their values.

All physical and chemical processes are accelerated by heat, and in a

circuit designed to deliver power there is likely to be more heating of the crystal in its own circuit, as well as generally more heat generated inside the cabinet. In some circuits (I think older than the ones you are talking about), in which crystal oscillators directly supply power to the antenna or to a single power amplification stage, r.f. current through the crystal was an important design consideration both because of the concern for frequency drift as the crystal heated during operation, and because of the possibility the crystal could actually fracture if driven too hard.

73, Al N1AW

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu
woodhull@shaysnet.com
413-549-2962

From boatanchors@theporch.com Sun May 28 01:35:59 1995
Date: Sat, 27 May 1995 20:35:59 -0500
Message-Id: <199505280138.SAA18112@mozart.bcit.bc.ca>
From: "Colin Schmutter" <Colin.Schmutter@theporch.com>
Subject: Drake T-4XB or C wanted

I am looking for a Drake T-4XB or C transmitter plus power supply.

If anyone has one for sale please reply to cschmutter@bcit.bc.ca with details.

Colin

VE7CQH

From boatanchors@theporch.com Sat May 27 22:42:00 1995
Date: Sat, 27 May 1995 17:42:00 -0500
Message-Id: <199505272239.SAA02568@cappuccino.eng.umd.edu>
From: Philip Gwynne McCoy <dgnova@Glue.umd.edu>
Subject: F80

To: Bob
rdkeys@unity.ncsu.edu.
>From Phil dgnova@eng.umd.edu
Subject: F80 compiler
I am in the process of transferring the compiler and linker
from the Cp/m computer to the IBM XT. Will get back to

you tomorrow may 28.

From boatanchors@theporch.com Sat May 27 17:35:36 1995
Date: Sat, 27 May 1995 12:35:36 -0500
Message-Id: <9505271734.AA05592@kali>
From: Andy Wallace <wallace@mc.com>
Subject: Hammarlund S-100 spkr questions

Well, I am going to restore this \$5 you-paint-um special I got at the Hosstraders NH fest recently.

The grille cloth has some damage but I imagine I will have to give it a good wash. This strange grey cloth with the white thread wandering through it is probably not available, eh?

I'm assuming the oval speaker inside is original. Someone pencilled "32 ohms" on the back. Is this correct?

Any suggestions for stripping the cabinet and giving it a new two-tone paint job? It has light grey around the front ring, but I would have thought it would be brushed metal to match the HQ-170 bezel.

Store-bought spray paint color suggestions most welcome.

--Andy

From boatanchors@theporch.com Sat May 27 12:38:44 1995
Date: Sat, 27 May 1995 07:38:44 -0500
Message-Id: <m0sFL4i-0010YNC@spider.lloyd.com>
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: Need audio output transformer - tube type and command rcvr knobs

>I need a tube type audio output transformer - 5000 ohm plate, would like >8 ohm output, but anything from 600 to 4 ohms would work.

A cheap, commonly available 70V audio line transformer serves as an excellent audio output transformer. You'll want to use either the 1W input tap or the .5W input tap, depending on which gives you the better match to your load. If you don't care much about the country of origin, you can get imported 70V transformers at Radio Shack for around \$5.00. American made models that closely resemble original audio output transformers frequently show up at swaps.

Good luck.

73,

Jim - km6nk

From boatanchors@theporch.com Sun May 28 08:50:20 1995
Date: Sun, 28 May 1995 03:50:20 -0500
Message-Id: <m0sFdy6-003BDaC@moon.earthlink.net>
From: jlb@earthlink.net
Subject: Ohms Law

Thanks to all who replied to the Ohms Law post. All of your personal visualizations are particularly exciting to me and have given me a lot to think about.

Joe AA6WG

From boatanchors@theporch.com Sat May 27 17:04:14 1995
Date: Sat, 27 May 1995 12:04:14 -0500
Message-Id: <Pine.3.89.9505271022.A21407-0100000@netcom18>
From: paul Veltman <veltman@netcom.com>
Subject: Re: Oil capacitor question

Nothing that I can think of, other than bringing the PS up on a variac and watch it closely, which is SOP anyway.

73

Paul WA6OKQ

From boatanchors@theporch.com Sun May 28 00:49:48 1995
Date: Sat, 27 May 1995 19:49:48 -0500
Message-Id: <Pine.BSI.3.91.950527202547.1541A-100000@laurel.us.net>
From: Tony Stalls <ras@us.net>
Subject: QCWA Chapters

FYI, I have a complete list of the QCWA Chapters and their addresses for those of you who have joined QCWA or are interested in doing so. Just let me know and I'll give you address of the chapter nearest you. If you missed the original QCWA applicaiton post, let me know that too and I'll e-mail it to you.

I'm in the process of keying them in and I'll post them when I'm finished, but please be patient. It'll take a while. There are 187 of them.

Also, answering the most frequently asked question, when you make application, you don't have to offer proof of your first license, although if you do and send a copy with the application it'll speed up processing. They do have a full set of Callbooks at QCWA Headquarters and can verify within one quarterly issue that you've been around long enough.

73,

Tony
K4KY0

<ras@us.net>

From boatanchors@theporch.com Sat May 27 16:41:17 1995
Date: Sat, 27 May 1995 11:41:17 -0500
Message-Id: <950527123455_13920865@aol.com>
From: JosephWP@aol.com
Subject: Re: RE: Tube shields

>>>

I agree with Richard that there are 5 known sizes of IERC shields -- three heights of 7-pin (6BE6, 6AL5, and 6AQ5) and two for 9-pin tubes. Don't suppose they have G-octal size for my old Philcos :-)

>>>

Am away from home right now so I cannot go and check, but I have at least one other size of IERC tube shield which fits a power tube. As I recall its about the size of a 829 tube.

Joseph Pinner
Lafayette, LA
KC5IJD
josephwp@aol.com

From boatanchors@theporch.com Sun May 28 04:20:50 1995
Date: Sat, 27 May 1995 23:20:50 -0500
Message-Id: <199505280417.XAA07435@uro.theporch.com>
From: Jack Taylor <n7oo@hereford.ampr.org>
Subject: Re: teletype paper & tape

I'm one of the old fossals that still use a mechanical teletype replete with paper and tape. At one time I looked forward to the modern computer digital era so's I could get rid of the ole clunker. However after experiencing several disasters due partly to solid state technology, and partly due to my inexperience, I discovered my mechanical teletype kept going like the energizer bunny! It's there every time I need it and doesn't die during the T-storm season.

My advice is to "Save that teletype paper boys, as the machines shall rise again!"

73 de Jack

From boatanchors@theporch.com Sat May 27 19:22:23 1995
Date: Sat, 27 May 1995 14:22:23 -0500
Message-Id: <9505271917.AA01854@cen.com>
From: gc@fox.cen.com (Gary Chatters)
Subject: Teletypes and paper tape

glsmith writes:

>

>Greetings, all. I would appreciate any opinions on whether or not the
>paper rolls for tty paper punches is considered rare these days. I had
>a model 19 several years ago, and I still have several rolls of it in deep
>storage in my garage.

>

I keep an eye out for paper tape at hamfests, but don't see very much of it. So to some extent it is rare. It has not gotten to the point where it expensive yet. Last year I found a box of a half dozen rolls and paid \$1 for the box. If you decide to clean out the garage, let the list know. Maybe someone would be close enough to pick it up.

73,

Gary

From boatanchors@theporch.com Sat May 27 10:42:17 1995
Date: Sat, 27 May 1995 05:42:17 -0500

Message-Id: <Pine.PCW.3.91.950527001826.6639B-100000@dip098.pixi.com>
From: Dave Creek <dcreek@pixi.com>
Subject: Re: Tube Testers ? and FYI

On Fri, 26 May 1995, Jack Taylor wrote:

> One of the interesting points raised in the original post is "How DO you
> calibrate a tube tester?" I don't believe I've ever seen anything on this.
> I've always taken the reading presented as gospel (well not really...you
> gotta wiggle and tap the tube whilst holding down P4 (or whatever) 'just to
> make sure'!

Well, he said, (putting on his old ,tattered, lab coat with the Wizard of Metrology patch on the pocket).

I worked in various USAF calibration labs starting in 1962 til 1971 and in the civilian side until 1991. When I started, tube testers were calibrated. The procedure was to check all the filament voltages and the DC power supplies for proper voltages and then using a resistance decade box across one of the tube sockets, checking the meter circuit. Basicly a substitute emission test.

About 1967, all tube testers were reclassified as NCR (No Calibration Required) and suitably tagged.

The Hickok Cardomatic which became vary popular in the USAF did have a calibration plug containing a couple of zener diodes and some precision resistors. this was inserted in the octal socket and used to adjust some pot's under a flip-up lid. This tube tester was classified CAT-2 (user calibrated).

The calibration plug was certified annually by the calibration lab. As I remember, the calibration plug had a serial number that matched the tube tester and the values weren't always the same.

Hope this is some help,

Dave Creek, NH6BA
Ewa Beach, HI
dcreek@pixi.com

From boatanchors@theporch.com Sun May 28 02:52:58 1995
Date: Sat, 27 May 1995 21:52:58 -0500
Message-Id: <Chameleon.4.01.2.950526235354.jproc@>
From: jproc@worldlinux.com
Subject: Re: Tube Testers ? and FYI

>Seems to me Heath sold a tube checker kit at one time. Has anyone assembled
>this and did they have a calibration procedure?

>

Jack,

I own a Heathkit IT-21 emission type tube tester. It does not have a calibration procedure. A recently donated Stark 9-11 emission tester has two calibration pots inside. Since I'm lacking a manual, I don't know their purpose.

BYW, I purchased the IT-21 in 1967 for \$69 Cdn. When Heathkit discontinued it in the late 70's or early 80's, inflation had drive up the price to \$321 Cdn!

Regards,

Jerry Proc VE3FAB

E-mail: jproc@worldlinx.com

Radio Restoration Volunteer

HMCS Haida Toronto, Ontario
